

#### ABSTRACT OF THE DISCLOSURE

Upon receiving a request to send responding additional data, an additional-data transmitting device generates responding additional data and sends it to the requestor. The header of the responding additional data contains a content ID and the number of sample zones. At the head of additional frames in each online sample zone, the sample-data start position and the sample zone length are indicated. Upon receiving the responding additional data, the requestor generates sample playback data by using sample data and the responding additional data. In the sample playback data, frames which are reconstructed into higher-quality data than the responding additional data are indicated in sample zones. In other zones, sample frames are contained. The invention can be applied to a coding device, an additional-data transmitting device, a data playback device, and a data recording device.